

Preaward Compliance Review Report for All Applicants and Recipients Requesting EPA Financial Assistance

Note: Read Instructions before completing form.

I. A. Applicant/Recipient (Name, Address, City, State, Zip Code)

Name:

Address:

City:

State: Zip Code:

B. DUNS No.

II. Is the applicant currently receiving EPA Assistance? ☐ Yes ☒ No

III. List all civil rights lawsuits and administrative complaints pending against the applicant/recipient that allege discrimination based on race, color, national origin, sex, age, or disability. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

IV. List all civil rights lawsuits and administrative complaints decided against the applicant/recipient within the last year that allege discrimination based on race, color, national origin, sex, age, or disability and enclose a copy of all decisions. Please describe all corrective actions taken. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)

V. List all civil rights compliance reviews of the applicant/recipient conducted by any agency within the last two years and enclose a copy of the review and any decisions, orders, or agreements based on the review. Please describe any corrective action taken. (40 C.F.R. § 7.80(c)(3))

VI. Is the applicant requesting EPA assistance for new construction? If no, proceed to VII; if yes, answer (a) and/or (b) below.

☐ Yes ☒ No

a. If the grant is for new construction, will all new facilities or alterations to existing facilities be designed and constructed to be readily accessible to and usable by persons with disabilities? If yes, proceed to VII; if no, proceed to VI(b).

☐ Yes ☐ No

b. If the grant is for new construction and the new facilities or alterations to existing facilities will not be readily accessible to and usable by persons with disabilities, explain how a regulatory exception (40 C.F.R. 7.70) applies.

VII. Does the applicant/recipient provide initial and continuing notice that it does not discriminate on the basis of race, color, national origin, sex, age, or disability in its program or activities? (40 C.F.R. 5.140 and 7.95)

☒ Yes ☐ No

a. Do the methods of notice accommodate those with impaired vision or hearing?

☒ Yes ☐ No

b. Is the notice posted in a prominent place in the applicant's offices or facilities or, for education programs and activities, in appropriate periodicals and other written communications?

☒ Yes ☐ No

c. Does the notice identify a designated civil rights coordinator?

☒ Yes ☐ No

VIII. Does the applicant/recipient maintain demographic data on the race, color, national origin, sex, age, or handicap of the population it serves? (40 C.F.R. 7.85(a))

☒ Yes ☐ No

IX. Does the applicant/recipient have a policy/procedure for providing access to services for persons with limited English proficiency? (40 C.F.R. Part 7, E.O. 13166)

☒ Yes ☐ No

- X. If the applicant is an education program or activity, or has 15 or more employees, has it designated an employee to coordinate its compliance with 40 C.F.R. Parts 5 and 7? Provide the name, title, position, mailing address, e-mail address, fax number, and telephone number of the designated coordinator.**

Yes, the employee is Sharona Cowan, Director of Social Services, 888 Washington Boulevard. email is scowan@stamfordct.gov Phone is 203-977-4051.

- XI. If the applicant is an education program or activity, or has 15 or more employees, has it adopted grievance procedures that assure the prompt and fair resolution of complaints that allege a violation of 40 C.F.R. Parts 5 and 7? Provide a legal citation or Internet Address for, or a copy of, the procedures.**

Yes, the City of Stamford Code of Ordinance NO. 1200 Supplemental. The Ordinance can be found at https://library.municode.com/ct/stamford/ordinances/code_of_ordinances?Id=735420.

For the Applicant/Recipient

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. I assure that I will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized Official

Anita Carpenter

B. Title of Authorized Official

Grants Officer

C. Date

03/25/2022

For the U.S. Environmental Protection Agency

I have reviewed the information provided by the applicant/recipient and hereby certify that the applicant/recipient has submitted all preaward compliance information required by 40 C.F.R. Parts 5 and 7; that based on the information submitted, this application satisfies the preaward provisions of 40 C.F.R. Parts 5 and 7; and that the applicant has given assurance that it will fully comply with all applicable civil rights statutes and EPA regulations.

A. *Signature of Authorized EPA Official

B. Title of Authorized Official

C. Date

*** See Instructions**

Instructions for EPA FORM 4700-4 (Rev. 06/2014)

General. Recipients of Federal financial assistance from the U.S. Environmental Protection Agency must comply with the following statutes and regulations.

Title VI of the Civil Rights Acts of 1964 provides that no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. The Act goes on to explain that the statute shall not be construed to authorize action with respect to any employment practice of any employer, employment agency, or labor organization (except where the primary objective of the Federal financial assistance is to provide employment). Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act provides that no person in the United States shall on the ground of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under the Federal Water Pollution Control Act, as amended. Employment discrimination on the basis of sex is prohibited in all such programs or activities. Section 504 of the Rehabilitation Act of 1973 provides that no otherwise qualified individual with a disability in the United States shall solely by reason of disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. Employment discrimination on the basis of disability is prohibited in all such programs or activities. The Age Discrimination Act of 1975 provides that no person on the basis of age shall be excluded from participation under any program or activity receiving Federal financial assistance. Employment discrimination is not covered. Age discrimination in employment is prohibited by the Age Discrimination in Employment Act administered by the Equal Employment Opportunity Commission. Title IX of the Education Amendments of 1972 provides that no person in the United States on the basis of sex shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Employment discrimination on the basis of sex is prohibited in all such education programs or activities. Note: an education program or activity is not limited to only those conducted by a formal institution. 40 C.F.R. Part 5 implements Title IX of the Education Amendments of 1972. 40 C.F.R. Part 7 implements Title VI of the Civil Rights Act of 1964, Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act, and Section 504 of The Rehabilitation Act of 1973. The Executive Order 13166 (E.O. 13166) entitled; "Improving Access to Services for Persons with Limited English Proficiency" requires Federal agencies work to ensure that recipients of Federal financial assistance provide meaningful access to their LEP applicants and beneficiaries.

Items "Applicant" means any entity that files an application or unsolicited proposal or otherwise requests EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Recipient" means any entity, other than applicant, which will actually receive EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Civil rights lawsuits and administrative complaints" means any lawsuit or administrative complaint alleging discrimination on the basis of race, color, national origin, sex, age, or disability pending or decided against the applicant and/or entity which actually benefits from the grant, but excluding employment complaints not covered by 40 C.F.R. Parts 5 and 7. For example, if a city is the named applicant but the grant will actually benefit the Department of Sewage, civil rights lawsuits involving both the city and the Department of Sewage should be listed. "Civil rights compliance review" means any review assessing the applicant's and/or recipient's compliance with laws prohibiting discrimination on the basis of race, color, national origin, sex, age, or disability. Submit this form with the original and required copies of applications, requests for extensions, requests for increase of funds, etc. Updates of information are all that are required after the initial application submission. If any item is not relevant to the project for which assistance is requested, write "NA" for "Not Applicable." In the event applicant is uncertain about how to answer any questions, EPA program officials should be contacted for clarification. * Note: Signature appears in the Approval Section of the EPA Comprehensive Administrative Review For Grants/Cooperative Agreements & Continuation/Supplemental Awards form.



EPA KEY CONTACTS FORM

OMB Number: 2030-0020
Expiration Date: 06/30/2024

Authorized Representative: *Original awards and amendments will be sent to this individual for review and acceptance, unless otherwise indicated.*

Name:	Prefix: Ms.	First Name: Anita	Middle Name:
	Last Name: Carpenter	Suffix:	
Title:	Grants Officer		
Complete Address:			
Street1:	888 Washington Boulevard		
Street2:			
City:	Stamford	State:	CT: Connecticut
Zip / Postal Code:	06901-2902	Country:	USA: UNITED STATES
Phone Number:	203-977-4911	Fax Number:	
E-mail Address:	acarpenter@stamfordct.gov		

Payee: *Individual authorized to accept payments.*

Name:	Prefix: Ms.	First Name: Anita	Middle Name:
	Last Name: Carpenter	Suffix:	
Title:	Grants Officer		
Complete Address:			
Street1:	888 Washington Boulevard		
Street2:			
City:	Stamford	State:	CT: Connecticut
Zip / Postal Code:	06901-2902	Country:	USA: UNITED STATES
Phone Number:	203-977-4911	Fax Number:	
E-mail Address:	acarpenter@stamfordct.gov		

Administrative Contact: *Individual from Sponsored Programs Office to contact concerning administrative matters (i.e., indirect cost rate computation, rebudgeting requests etc).*

Name:	Prefix: Ms.	First Name: Anita	Middle Name:
	Last Name: Carpenter	Suffix:	
Title:	Grants Officer		
Complete Address:			
Street1:	888 Washington Boulevard		
Street2:			
City:	Stamford	State:	CT: Connecticut
Zip / Postal Code:	06901-2902	Country:	USA: UNITED STATES
Phone Number:	203-977-4911	Fax Number:	
E-mail Address:	acarpenter@stamfordct.gov		

EPA KEY CONTACTS FORM

Project Manager: *Individual responsible for the technical completion of the proposed work.*

Name: **Prefix:** Mr. **First Name:** Ted **Middle Name:**

Last Name: Jankowski **Suffix:**

Title: Director of Public Safety, Health, & Welfare

Complete Address:

Street1: 888 Washington Boulevard

Street2:

City: Stamford

State: CT: Connecticut

Zip / Postal Code: 06901-2902

Country: USA: UNITED STATES

Phone Number: 203-977-4151

Fax Number:

E-mail Address: tjankowski@stamfordct.gov

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 02/28/2022

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Enhanced Air Quality Monitoring for Communities	66.034	\$	\$	\$ 68,755.00	\$	\$ 68,755.00
2.						
3.						
4.						
5. Totals		\$	\$	\$ 68,755.00	\$	\$ 68,755.00

Standard Form 424A (Rev. 7-97)
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SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
	Enhanced Air Quality Monitoring for Communities				
a. Personnel	\$ 0.00	\$	\$	\$	\$ 0.00
b. Fringe Benefits	0.00				0.00
c. Travel	0.00				0.00
d. Equipment	37,755.00				37,755.00
e. Supplies	1,500.00				1,500.00
f. Contractual	27,500.00				27,500.00
g. Construction	0.00				0.00
h. Other	2,000.00				2,000.00
i. Total Direct Charges (sum of 6a-6h)	68,755.00				\$ 68,755.00
j. Indirect Charges	0.00				\$ 0.00
k. TOTALS (sum of 6i and 6j)	\$ 68,755.00	\$	\$	\$	\$ 68,755.00
7. Program Income	\$ 0.00	\$	\$	\$	\$ 0.00

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SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program		(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8.	Enhanced Air Quality Monitoring for Communities	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
9.					
10.					
11.					
12. TOTAL (sum of lines 8-11)		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 60,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00
14. Non-Federal	\$				
15. TOTAL (sum of lines 13 and 14)	\$ 60,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program		FUTURE FUNDING PERIODS (YEARS)			
		(b)First	(c) Second	(d) Third	(e) Fourth
16.	Enhanced Air Quality Monitoring for Communities	\$ 8,755.00	\$	\$	\$
17.					
18.					
19.					
20. TOTAL (sum of lines 16 - 19)		\$ 8,755.00	\$	\$	\$

SECTION F - OTHER BUDGET INFORMATION	
21. Direct Charges:	22. Indirect Charges:
23. Remarks:	

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Project Narrative File(s)

* **Mandatory Project Narrative File Filename:**

Add Mandatory Project Narrative File

Delete Mandatory Project Narrative File

View Mandatory Project Narrative File

To add more Project Narrative File attachments, please use the attachment buttons below.

Add Optional Project Narrative File

Delete Optional Project Narrative File

View Optional Project Narrative File

Application for Federal Assistance SF-424

* 1. Type of Submission:

- ☐ Preapplication
☒ Application
☐ Changed/Corrected Application

* 2. Type of Application:

- ☒ New
☐ Continuation
☐ Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received:

03/25/2022

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name:

City of Stamford

* b. Employer/Taxpayer Identification Number (EIN/TIN):

066001897

* c. Organizational DUNS:

0721216010000

d. Address:

* Street1:

888 Washington Boulevard

Street2:

* City:

Stamford

County/Parish:

* State:

CT: Connecticut

Province:

* Country:

USA: UNITED STATES

* Zip / Postal Code:

06901-2902

e. Organizational Unit:

Department Name:

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:

Ms.

* First Name:

Anita

Middle Name:

* Last Name:

Carpenter

Suffix:

Title:

Grants Officer

Organizational Affiliation:

* Telephone Number:

203-977-4911

Fax Number:

* Email:

acarpenter@stamfordct.gov

Application for Federal Assistance SF-424

* 9. Type of Applicant 1: Select Applicant Type:

C: City or Township Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

* 10. Name of Federal Agency:

Environmental Protection Agency

11. Catalog of Federal Domestic Assistance Number:

66.034

CFDA Title:

Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities
Relating to the Clean Air Act

* 12. Funding Opportunity Number:

EPA-OAR-OAQPS-22-01

* Title:

Enhanced Air Quality Monitoring for Communities

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

Delete Attachment

View Attachment

* 15. Descriptive Title of Applicant's Project:

Stamford Air Quality Monitoring

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424**16. Congressional Districts Of:*** a. Applicant * b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:* a. Start Date: * b. End Date: **18. Estimated Funding (\$):**

* a. Federal	<input type="text" value="68,755.00"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="68,755.00"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- ☐ a. This application was made available to the State under the Executive Order 12372 Process for review on .
- ☒ b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- ☐ c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**☐ Yes ☒ No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

Suffix:

* Title: * Telephone Number: Fax Number: * Email: * Signature of Authorized Representative: * Date Signed:

Other Attachment File(s)

* Mandatory Other Attachment Filename:

Add Mandatory Other Attachment

Delete Mandatory Other Attachment

View Mandatory Other Attachment

To add more "Other Attachment" attachments, please use the attachment buttons below.

Add Optional Other Attachment

Delete Optional Other Attachment

View Optional Other Attachment

QUALITY ASSURANCE STATEMENT

The City of Stamford will adopt the following Quality Assurance (QA) and Quality Control (QC) practices to ensure confidence in air quality monitoring data:

1. Identify the individual who will be responsible for the quality assurance (QA) and quality control (QC) aspects of the project along with a brief description of this person's functions, experience, and authority within the research organization. Describe the organization's general approach for conducting quality assurance.

Ted Jankowski, the City of Stamford's Director of Public Safety, Health, and Welfare, will manage the proposed air quality monitoring project's QA and QC duties. Mr. Jankowski supervises the activities of the Chief of Police, Fire Chief, and Health Director. He is responsible for the administration, supervision, and performance of all municipal functions related to police, fire, health, social services, rescue, emergency medical services, emergency management, and homeland security. Mr. Jankowski is further responsible for the oversight of all municipal functions related to the abatement and management of environmental contamination. He has 30+ years of safety, emergency response, emergency management, and incident command experience. Mr. Jankowski is authorized to implement the proposed air quality monitoring program as well as to conduct activities that mitigate air pollution in neighborhood hot spots. He will be supported by the City of Stamford's Acting Director of the Department of Health (Jody Bishop-Pullan), Director of Partnerships and Community Engagement (Janeene Freeman), and Grants Officer (Anita Carpenter).

The City of Stamford has adopted QA and QC plans for other projects demanding confidence in the data collected. Its approach is to put into place management systems that ensure the accuracy and validity of project information. Depending on the work, specific quantitative and/or qualitative procedures are established to document activities and measure results against standards. Data collection and analysis plans are created that identify sample type(s), frequency, locations, sampling procedures, and the criteria for determining acceptable data quality (e.g., precision, accuracy, representativeness, completeness, comparability, or data quality objectives). Data management plans are also produced to institute record-keeping procedures, data-handling methods, and the approach used for data storage and retrieval on electronic media.

2. Discuss the potential criteria and/or process for determining acceptable data quality (e.g., precision, accuracy, representativeness, completeness, comparability, or data quality objectives).

Technological tools will be used to determine acceptable data quality. The City of Stamford seeks to contract with Wilbur Technical Services, LLC, a recognized authority in the air monitoring industry, to deploy high-quality Aeroqual AQY-R or comparable equipment in its South End and West Side neighborhoods to measure NO₂, PM_{2.5}, and O₃. The AQY-R uses MOMA (or "MOment MAtching") virtual network calibration to achieve accurate air pollutant measurement. A sophisticated algorithm will compare data from all AQY-Rs in the network (as well as the nearest EPA-approved reference station) to detect and correct for sensor drift. Corrections are made onboard in real-time to account for interferences such as temperature and humidity (a known issue for optical PM sensors) and for ozone interference on the nitrogen sensor (a known issue for electrochemical sensors). Data is transmitted to cloud servers every minute, ensuring that air quality information is truly available in real-time. On-board storage will guarantee that no data

ever gets lost. These network management tools reduce the need for on-site visits and improve the quality of sensor network data, reducing time spent on expensive field visits and data processing. All data will be consolidated and validated by experts before being outputted.

The budget includes expenses for the technical provider to calibrate the equipment and validate the data provided by the air quality monitors.

Manifest for Grant Application # GRANT13579965

Grant Application XML file (total 1):

1. GrantApplication.xml. (size 21794 bytes)

Forms Included in Zip File(total 6):

1. Form ProjectNarrativeAttachments_1_2-V1.2.pdf (size 16134 bytes)

2. Form SF424_3_0-V3.0.pdf (size 24010 bytes)

3. Form SF424A-V1.0.pdf (size 22843 bytes)

4. Form EPA4700_4_3_0-V3.0.pdf (size 22795 bytes)

5. Form OtherNarrativeAttachments_1_2-V1.2.pdf (size 15907 bytes)

6. Form EPA_KeyContacts_2_0-V2.0.pdf (size 37240 bytes)

Attachments Included in Zip File (total 4):

1. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1237-Resumes.pdf application/pdf (size 1062364 bytes)

2. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1236-Partnership Letters.pdf application/pdf (size 2346393 bytes)

3. ProjectNarrativeAttachments_1_2 ProjectNarrativeAttachments_1_2-Attachments-1234-Stamford Air Quality Monitoring Narrative FINAL.pdf application/pdf (size 348115 bytes)

4. OtherNarrativeAttachments_1_2 OtherNarrativeAttachments_1_2-Attachments-1235-Quality Assurance Statement.pdf application/pdf (size 111316 bytes)

COVER PAGE

1. Project Title

Enhanced Air Quality Monitoring in Stamford's South End and West Side Neighborhoods

2. Applicant Information

City of Stamford
888 Washington Boulevard
Stamford, CT 06901

Contact: Anita Carpenter, Grants Officer, (203)
977-4911, ACarpenter@StamfordCT.gov

DUNS: 0721216010000

3. Set-Aside

No set-aside

4. Brief Description of Applicant Organization

The City of Stamford is a unit of local government in Connecticut. Stamford seeks to promote wellness, prevent disease, and proactively protect the health and safety of its residents.

5. Project Partners

South End Neighborhood Revitalization Zone
– Terry Adams

Boys & Girls Club of Stamford – Rowena
Track

West Side Neighborhood Revitalization Zone –
Jeff Stella

Stamford Senior Center – Christina Crain
Stamford Health – Laura Jordan

People Friendly Stamford – Chris Dawson

Stamford Department of Health – Jody Bishop-
Pullan

Charter Oak Communities – Vin Tufo

Family Centers – Robert Arnold

Connecticut Department of Energy and
Environmental Protection – Tracy Babbidge

Domus – Michael Duggan

6. Project Location

The South End (Census Tract 222) and West Side (Census Tracts 214 and 215) neighborhoods of Stamford, CT.

7. Air Pollutant Scope

Nitrogen dioxide (NO₂), particulate matter (PM_{2.5}), and ozone (O₃)

8. Budget Summary

EPA Funding Requested	Total Project Cost
\$68,755	\$68,755

9. Project Period

November 1, 2022 to October 31, 2025

10. Short Project Description

Working with residents, the City of Stamford has developed plans for a comprehensive air quality monitoring program, focused on nitrogen dioxide (NO₂), particulate matter (PM_{2.5}), and ozone (O₃). Air quality monitoring will benefit historically marginalized residents in Stamford's South End and West Side neighborhoods with a goals of: (1) building the capacity to measure air pollution in real-time, (2) providing data to support strategies that mitigate air pollution, and (3) improving local health outcomes. Key outputs include the community meetings, the installation of air quality monitors, and the development of a public web site; outcomes include increasing resident awareness, affecting behavior change, and reducing health disparities.

WORKPLAN

I. Project Summary and Approach

A. Overall Project – Stamford is a mid-sized community (population 135,470) situated on the north shore of the Long Island Sound, approximately 35 miles from New York City. It is the economic engine of Southwestern Connecticut and the state's only locality that has seen significant growth over the past 20 years. This majority-minority municipality (50.7% non-White) includes a thriving downtown as well as the intermodal Stamford Transportation Center, the most highly utilized rail station between New York City and Boston. Key business sectors include retail, hospitality and food services, health care, telecommunications, information technology, financial services, transportation, and education.

Stamford's South End (Census Tract 222), immediately south of downtown, has emerged as a dynamic neighborhood with new, high-density residential development and related commercial uses. Census Tract 222 is 57.7% minority, with concentrations of Black/African American (16.6%) and Hispanic (36.4%) persons. According to the U.S. Census Bureau, poverty in Census Tract 222 is 13.3%, which is almost 35% more the state rate. Approximately 35.4% of residents are foreign-born and a language other than English is spoken in 44.6% of homes. Exactly 14.5% of residents do not have a high school degree. The estimated population of Census Tract 222 is 6,568 people.

Stamford's West Side experiences significant economic distress. Consisting primarily of Census Tracts 214 (an Opportunity Zone) and 215 (an Area of Persistent Poverty), the West Side comprises approximately one square mile. The West Side neighborhood suffers from poor quality housing stock, aging infrastructure, income inequality, and extended unemployment. This environmental justice area includes a substantial minority (83.6%) population. The West Side is strongly Hispanic (51.0%) and Black/African American (28.2%). Exactly 46.4% of residents are foreign-born and a language other than English is spoken in 60.3% of homes. The U.S. Census Bureau reports poverty rates of 15.4% in Census Tract 214 and 18.1% in Census Tract 215, compared to 9.2% in Stamford, 9.9% throughout Connecticut, and 13.4% across the United States. The household median incomes in Census Tracts 214 and 215 are \$46,566 and \$43,357, respectively. Nearly half of area residents (49.5%) do not have a high school degree. The estimated population of Census Tracts 214 and 215 is 13,728 people.

People are the product of their environment. Historically, toxic industries and traffic pollution have disproportionately impacted Stamford's South End and West Side. Poor air quality is a systemic issue that people of color face. There is a strong link in the South End and West Side neighborhoods between poverty and chronic disease, deteriorating residents' quality of life. These areas exhibit some of the worst asthma rates in the community (108.5-142.5 documented asthma cases per 10,000 people based on hospitalizations and emergency room visits).

Degraded air quality affects the health and life expectancy of residents. According to a 2019 *Community Health Needs Assessment*, chronic heart and lung disease are prevalent in Stamford. Heart disease is rated as the second top cause of death in the city. Health disparities are also concentrated in economically-distressed areas. While the life expectancy of North Stamford is 86.1, the life expectancy of residents living in the South End and West Side neighborhoods is 78.1 – a difference of 8 years.

Working with residents, the City of Stamford has developed plans for a comprehensive air quality monitoring program, focused on NO₂, PM_{2.5}, and O₃. Air quality monitoring will benefit historically marginalized communities in Stamford, meeting the Justice40 Initiative's definition of disadvantaged neighborhoods experiencing low incomes, persistent poverty, racial segregation, and substandard housing. The project is designed to improve local health outcomes. The City of Stamford will partner with neighborhood associations, non-profits, and other stakeholders to gather input, share results, and develop

WORKPLAN

mitigation strategies. The goal of the initiative is to build the capacity of residents to measure air pollutants in real-time. Commercially-available technologies will be deployed across areas with disproportionate asthma rates and other health disparities. A web site will also be developed to share air quality data.

Specifically, the City of Stamford seeks to:

- Organize an Air Quality Monitoring Working Group – A working group composed of neighborhood association representatives, community leaders, and other key stakeholders will be formed to steer the project. Working group members will be diverse in age (youth and senior), ethnicity, and background to ensure that the team reflects the demographics of Stamford. They will provide input on neighborhood outreach, monitor locations, web site design, and other project deliverables.
- Conduct Community Meetings – The City of Stamford will host a series of three (3) community meetings to roll out its air quality monitoring program, including virtual sessions as needed. Local outreach activities will target residents of the South End and West Side neighborhoods, particularly sensitive populations. The purpose of this engagement is to share information, collect feedback, and describe next steps. Input will also be gathered on the placement of air quality monitors and access to real-time data. Personnel from the hospital (Stamford Health), Stamford Department of Health, and Connecticut Department of Energy and Environmental Protection will be available to share information on the health impacts of poor air quality. Meetings will occur after work hours, be centrally located, and provide child-care to maximize participation.
- Install Air Quality Monitors – Utilizing asthma concentration maps, three (3) air quality monitors will be installed on community centers, schools, fire stations, libraries, and other key locations across the South End and West Side neighborhoods. The City of Stamford is interested in deploying Aeroqual AQY-R or comparable equipment, which will measure NO₂, PM_{2.5}, and O₃. These air pollutants contribute to asthma, chronic heart/lung disease, and other health disparities in the impacted areas. The AQY-R uses MOMA (or “MOment MAtching”) virtual network calibration to achieve accurate air pollutant measurement. A sophisticated algorithm will compare data from all AQY-Rs in the network (as well as the nearest EPA-approved reference station) to detect and correct for sensor drift. The unit can be mounted to walls, poles, or railings. Data is transmitted to cloud servers every minute, ensuring that air quality information is truly available in real-time. On-board storage will guarantee that no data ever gets lost. At each sensor, a write-up will be posted with a brief description of what the equipment is doing. A QR code will also be featured at the monitor locations where people can register to receive access to the data.
- Develop an Air Quality Monitoring Web Site – A third-party provider will be contracted to develop a publicly-facing web site. The web site will present South End and West Side residents with real-time air quality information through a user-friendly dashboard. This online tool will educate community members how to make lifestyle decisions based on their local air quality, helping people determine when it is safe for outdoor activities. SMS text messages will also provide users with Air Quality Index (AQI) alerts.
- Outreach and Promotion – The City of Stamford will conduct robust marketing efforts to promote the availability of local air quality information. Outreach will include flyers, presentations, articles, videos, social media, and other communication tools. Community-based organizations such as West Side Neighborhood Revitalization Zone, South End Neighborhood Revitalization Zone, People Friendly Stamford, Charter Oak Communities, Family Centers, Domus, Boys & Girls Club of Stamford, and Stamford Senior Center will support efforts to reach minority and low-income populations. All materials will be translated into Spanish.
- Measure Project Results – The project team will develop metrics to ensure that the project achieves

WORKPLAN

planned outputs and outcomes. A dedicated project manager will be appointed to certify on-time, on-budget delivery of project results. All air quality data will be tracked, measured, and reported to the U.S. Environmental Protection Agency (EPA) through quarterly reports and other communications. A final report will also be prepared and made available to the public.

B. Project Significance – Stamford’s South End and West Side neighborhoods have historically been economically challenged. The South End was the waterfront home of the community’s former manufacturing base and once contained many contaminated brownfields (since cleaned up with EPA Brownfields funding). The West Side neighborhood still struggles, with major transportation corridors (I-95, U.S. 1, West Broad Street) bisecting the area. Traffic congestion in these areas contributes to asthma-inducing vehicle emissions. NO₂ reacts with other chemicals in the air to form both particulate matter and ozone. Both of these are harmful to residents when inhaled due to their effects on the respiratory system.

The proposed project has been developed to address the health needs and concerns of South End and West Side residents. These neighborhoods show the highest incidence rates of asthma across all of Stamford – 108.5-142.5 documented asthma cases per 10,000 people based on hospitalizations and emergency room visits, compared to a low of 15.1 asthma cases per 10,000 in North Stamford. The areas also experience high rates of chronic heart/lung disease and have a low life expectancy (78.1 years compared to 86.1 in North Stamford). In early 2022, the City of Stamford launched an air quality monitoring pilot program in response to the anxieties of affected populations. Ten (10) low-cost PurpleAir monitors were deployed across the community to measure PM_{2.5} pollution. The installation of three (3) highly-sensitive AQY-R or comparable air quality monitors, measuring NO₂, PM_{2.5}, and O₃ in the South End and West Side neighborhoods, will build upon Stamford’s capabilities.

Vigorous air quality monitoring in the South End and West Side neighborhoods, supported by both the City of Stamford and community members, will provide both residents and policymakers with the tools necessary to improve health outcomes. A publicly-facing web site will be developed to share real-time air quality data. With this information, residents with health disparities will be able avoid outdoor activities on days when the AQI is poor. Local and state elected leaders will also have data necessary to make informed policy decisions that can mitigate air pollution. Already, the City of Stamford is investing in strategies such as Complete Streets and transit-oriented development that can encourage walking/biking and minimize vehicle trips and emissions. Air quality monitoring that identifies NO₂, PM_{2.5}, and O₃ hot spots can help decision makers target future pollution reduction efforts.

The overall goal of the project is to improve health outcomes in the South End and West Side neighborhoods. Exposure to outdoor pollutants can induce asthma symptoms and decrease lung function. Better air quality will lead to reduced asthma hospitalizations and emergency room visits, fewer new cases of asthma, less prevalence of chronic heart/lung disease, diminished risk of mental health disorders and impaired cognitive development, and decreased rate of premature deaths.

The specific audience served by the project includes the South End and West Side neighborhoods, with a population of more than 20,000 residents. These diverse areas (57.7% and 83.6% minority, respectively) include high concentrations of children under 18 (26.8% in Census Tract 214, 28.4% in Census Tract 215, and 15.1% in Census Tract 222, among the highest rates in all of Stamford), seniors (60 years and above: 17.4% in Census Tract 214, 12.2% in Census Tract 215, and 7.7% in Census Tract 222), and disabled residents (13.0% in Census Tract 214, 6.7% in Census Tract 215, and 9.0% in Census Tract 222).

II. Community Involvement

A. Community Partnerships – Partners have been chosen because their clients/constituents include

WORKPLAN

sensitive populations in Stamford’s target areas. The missions of the following organizations align with reducing air pollution and improving health outcomes in the South End and West Side neighborhoods:

Partner Name	Organization Description	Project Roles & Commitments
South End Neighborhood Revitalization Zone	Neighborhood association	Working group member; host for community workshops; outreach to affected residents; and input on monitoring locations, web site design, and other project deliverables.
West Side Neighborhood Revitalization Zone	Neighborhood association	Working group member; host for community workshops; outreach to affected residents; and input on monitoring locations, web site design, and other project deliverables.
People Friendly Stamford	Bike/pedestrian advocacy organization	Working group member; outreach to affected residents; input on monitoring locations, web site design, and other project deliverables; and support for strategies that reduce emissions in pollution hot spots.
Charter Oak Communities	Public housing authority	Working group member; outreach to affected residents, particularly residents within affordable housing; and input on monitoring locations, web site design, and other project deliverables.
Family Centers	Social services agency	Working group member; outreach to affected residents, particularly families with children; and input on monitoring locations, web site design, and other project deliverables.
Domus	Youth services provider	Working group member; outreach to affected residents, particularly families with children; and input on monitoring locations, web site design, and other project deliverables.
Boys & Girls Club of Stamford	Youth services provider	Working group member; outreach to affected residents, particularly families with children; and input on monitoring locations, web site design, and other project deliverables.
Stamford Senior Center	Senior services provider	Working group member; outreach to affected residents, particularly seniors; and input on monitoring locations, web site design, and other project deliverables.
Stamford Health	Hospital	Working group member; and participant at community workshops, sharing air quality/health information.
Stamford Department of Health	Local health agency	Working group member; and participant at community workshops, sharing air quality/health information.
Connecticut Department of Energy and Environmental Protection	State environmental agency	Participant at community workshops, sharing air quality/health information.

In 2022, the City of Stamford contracted with the Wilbur Technical Services, LLC, a recognized authority in the air monitoring industry, to launch a pilot program with ten (10) low-cost PurpleAir monitors. Wilbur Technical Services, LLC, will be engaged to support the roll out of Aeroqual AQY-R or comparable equipment in the community. JustAir, which helps cities bring greater transparency into the disparities of air quality, will also be secured to develop a publicly-facing web site and a system providing proactive SMS text alerts. In addition, the City of Stamford will partner with local community centers, schools, fire stations, libraries, and other key locations for the placement of air quality monitors.

B. Community Engagement – Project partners and Stamford’s residents at large will be involved in the design, planning, and performance of proposed monitoring efforts. Community engagement will include:

- Air Quality Monitoring Working Group – The working group will include representatives of West Side Neighborhood Revitalization Zone, South End Neighborhood Revitalization Zone, People Friendly Stamford, Charter Oak Communities, Family Centers, Domus, Boys & Girls Club of

WORKPLAN

Stamford, Stamford Senior Center, Stamford Health, and Stamford Department of Health. Working group members will be responsible for sharing the perspectives of their various constituencies. This project team will provide input on neighborhood outreach efforts, locations of air quality monitors, web site design, and other project deliverables.

- Community Meetings – A series of three (3) community meetings will launch the air quality monitoring program. The purpose of this engagement is to share information, collect feedback, and describe next steps. Input will also be gathered on the placement of air quality monitors and access to real-time data. Personnel from the hospital (Stamford Health), Stamford Department of Health, and Connecticut Department of Energy and Environmental Protection will be available to share information on the health impacts of poor air quality. Meetings will occur after work hours, be centrally located, and provide child-care to maximize participation.
- Air Quality Monitoring Web Site – A publicly-facing web site will be developed to present South End and West Side residents with real-time air quality information through a user-friendly dashboard. This online tool will educate community members how to make lifestyle decisions based on their local air quality, helping people determine when it is safe for outdoor activities. SMS text messages will also provide users with AQI alerts.
- Outreach and Promotion – The City of Stamford will conduct robust marketing efforts to promote the availability of local air quality information. Outreach tools will include articles, flyers, presentations, video, social media, and a dedicated web page. Community-based organizations such as the West Side Neighborhood Revitalization Zone, South End Neighborhood Revitalization Zone, People Friendly Stamford, Charter Oak Communities, Family Centers, Domus, Boys & Girls Club of Stamford, and Stamford Senior Center will support efforts to reach BIPOC populations. All materials will be translated into Spanish and other appropriate languages.
- Final Report – A final report will be prepared to share project results with the community.

III. Environmental Justice and Underserved Communities

South End – New development in Stamford's South End (Census Tract 222) has raised the neighborhood's economic profile. However, this majority-minority area (57.7% non-White) still experiences distress. According to the U.S. Census Bureau, poverty in Census Tract 222 is 13.3%, which is almost 35% more the state rate. A significant portion of South End residents are foreign-born (35.4%), a language other than English is spoken in 44.6% of homes, and 9.2% of households rely upon Food Stamp benefits. The following chart provides a demographic profile of the South End:

	Census Tract 222	Stamford	Connecticut	United States
Minority	57.7%	50.7%	33.1%	39.3%
No High School Degree	14.5%	10.8%	9.4%	12.0%
Median Household Income	\$91,996	\$93,059	\$78,444	\$62,843
Poverty	13.3%	9.2%	9.9%	13.4%
Unemployment	5.5%	4.6%	4.0%	3.4%
Age Under 18	15.1%	20.5%	20.8%	22.6%
Age 60 and Over	7.7%	20.4%	23.6%	21.8%
Disabled	9.0%	8.2%	11.2%	12.6%

According to the EPA's EJSCREEN tool, the South End ranges between the 87th and 96th percentiles for Connecticut environmental indicators, and between the 76th and 95th percentiles nationally, for airborne pollutants and health risks. See results below:

Environmental Indicator	Percentile in Connecticut	Percentile in United States
PM _{2.5}	88	78

WORKPLAN

Ozone	87	81
Diesel PM	90	81
Air Toxics Cancer Risk	88	80
Air Toxics Respiratory Hazard	87	76
Traffic Proximity and Volume	96	95

West Side – The West Side neighborhood lies within Census Tracts 214 (an Opportunity Zone) and 215 (an Area of Persistent Poverty). The majority-minority area (83.6% non-White) includes a mix of residential, commercial, and industrial properties. Median household incomes (\$46,566 in Census Tract 214 and \$43,357 in Census Tract 215) in this high cost-of-living area are approximately 30% less than national levels. Poverty is also higher (15.4% in Census Tract 214 and 18.1% in Census Tract 215) than the national rate (13.4%). The West Side includes significant Guatemalan (16.7%), Haitian (11.8%), Ecuadorian (9.4%), Peruvian (6.1%), and Columbian (3.4%) populations. EPA investment will provide direct benefits to minority and low-income residents as demonstrated in the chart below:

	Census Tract 214	Census Tract 215	Stamford	Connecticut	United States
Minority	78.5%	89.3%	50.7%	33.1%	39.3%
No High School Degree	14.0%	27.9%	10.8%	9.4%	12.0%
Median Household Income	\$46,566	\$43,357	\$93,059	\$78,444	\$62,843
Poverty	15.4%	18.1%	9.2%	9.9%	13.4%
Unemployment	8.0%	6.3%	4.6%	4.0%	3.4%
Age Under 18	26.8%	28.4%	20.5%	20.8%	22.6%
Age 60 and Over	17.4%	12.2%	20.4%	23.6%	21.8%
Disabled	13.0%	6.7%	8.2%	11.2%	12.6%

According to the EPA's EJSCREEN tool, the West Side area ranges between the 94th and 98th percentiles for Connecticut environmental indicators, and between the 84th and 97th percentiles nationally, for airborne pollutants and health risks. See results below:

Environmental Indicator	Percentile in Connecticut	Percentile in United States
PM _{2.5}	95	86
Ozone	94	90
Diesel PM	97	88
Air Toxics Cancer Risk	95	85
Air Toxics Respiratory Hazard	95	84
Traffic Proximity and Volume	98	97

Stamford's South End and West Side neighborhoods experience greater health disparities due to their closer proximity and exposure to environmental hazards. The area's demographic profile also contributes to its greater susceptibility to the adverse effects of air pollution, including genetic predisposition, chronic medical conditions, lack of health care access, and poor nutrition. COVID-19 has further eroded quality of life in the South End and West Side neighborhoods, affecting BIPOC populations more acutely.

Proposed air quality monitoring in the South End and West Side neighborhoods will promote equity and benefit underserved populations. The project will address disproportionate health outcomes from pollution in these areas, including high asthma rates and low life expectancy. Asthma rates in the target areas are the worst in the community (108.5-142.5 documented asthma cases per 10,000 people based on hospitalizations and emergency room visits). Chronic heart and lung disease are also prevalent in Stamford

WORKPLAN

according to a 2019 *Community Health Needs Assessment*. Heart disease is rated as the second top cause of death in the city. Finally, the life expectancy of residents living in the South End and West Side neighborhoods is also low – 78.1 versus 86.1 in North Stamford, a difference of 8 years.

Stamford’s project meets the goals of the Biden Administration’s Executive Order on *Advancing Racial Equity and Support for Underserved Communities through the Federal Government*, as well as the Justice40 Initiative. With EPA support, Stamford seeks to focus local efforts on reducing pollution and minimizing adverse impacts in the South End and West Side neighborhoods.

IV. Environmental Results – Outputs, Outcomes, and Performance Measures

A. Expected Project Outputs and Outcomes – EPA resources will enable Stamford to conduct robust air quality monitoring in the South End and West Side neighborhoods. Three (3) air quality monitors will be installed on community centers, schools, fire stations, libraries, and other key locations to measure NO₂, PM_{2.5}, and O₃. A web site will be developed to present residents with real-time air quality information through a user-friendly dashboard. Outreach and promotional efforts will raise awareness in Stamford of air quality challenges and present opportunities for community members to change behaviors. Long-term, air quality monitoring will present decision makers with tools necessary to adopt policy changes that can reduce pollution and improve health outcomes. Expected outputs and outcomes include:

Task	Outputs	Outcomes
Organize an Air Quality Monitoring Working Group	<ul style="list-style-type: none"> 10-person working group Bimonthly meetings Development of project game plan 	<i>Short-term – Knowledge</i> <ul style="list-style-type: none"> Increased awareness of community air quality challenges Real-time access to NO₂, PM_{2.5}, and O₃ air quality data Education on the impacts of air quality on health
Conduct Community Meetings	<ul style="list-style-type: none"> Development of meeting materials and presentation Three (3) community meetings 	
Install Air Quality Monitors	<ul style="list-style-type: none"> Deployment of three (3) air quality monitors in South End and West Side neighborhoods Collection of NO₂, PM_{2.5}, and O₃ air quality data 	
Develop an Air Quality Monitoring Web Site	<ul style="list-style-type: none"> Development of public web site Launch of AQI text alerts Real-time dissemination of air quality data to residents 	<i>Intermediate – Behavior Changes</i> <ul style="list-style-type: none"> Improved understanding of when to avoid outdoor activities during poor AQI days Local/state policy actions that mitigate air pollution hot spots <i>Long-term – Less Pollution and Better Health Outcomes</i> <ul style="list-style-type: none"> Lower NO₂, PM_{2.5}, and O₃ emissions Reduced asthma hospitalizations and emergency room visits Fewer new cases of asthma Less prevalence of chronic heart/lung disease Diminished risk of mental health disorders and impaired cognitive development Decreased rate of premature deaths
Outreach and Promotion	<ul style="list-style-type: none"> Development of flyers, presentations, articles, videos, social media, and other communication tools 	
Measure Project Results	<ul style="list-style-type: none"> Quarter progress updates Final report 	

A. Performance Measures and Plan – The following metrics will help to track, measure, and report progress on project outputs:

Task/Outputs	Performance Measures
<i>Air Quality Monitoring Working Group</i> : 10-person working group; bimonthly meetings; and project game	<ul style="list-style-type: none"> # of people/organizations on working group # of working group meetings

WORKPLAN

plan	<ul style="list-style-type: none"> • Completion of project game plan
<i>Community Meetings</i> : meeting materials and presentation; and three (3) community meetings	<ul style="list-style-type: none"> • Completion of meeting materials and presentation • # of community meetings held • # of people participating at community meetings
<i>Air Quality Monitors</i> : three (3) air quality monitors; and NO ₂ , PM _{2.5} , and O ₃ air quality data	<ul style="list-style-type: none"> • Procurement of air quality monitor vendor • # of air quality monitors installed • Availability of NO₂, PM_{2.5}, and O₃ air quality data
<i>Air Quality Monitoring Web Site</i> : public web site; AQI text alerts; and real-time dissemination of air quality data to residents	<ul style="list-style-type: none"> • Contract with third-party web site developer • # of visitors to web site • # of SMS text alert subscribers
<i>Outreach and Promotion</i> : flyers, presentations, articles, videos, social media, and other communication tools	<ul style="list-style-type: none"> • Volume of materials developed • # of people reached with outreach and promotion efforts
<i>Measure Project Results</i> : quarter progress updates; and final report	<ul style="list-style-type: none"> • # of quarterly reports submitted • Completion of final report

To assess progress toward project outcomes, the following metrics will be used:

Outcomes	Performance Measures
<i>Short-term – Knowledge</i> : increased awareness of community air quality challenges; real-time access to NO ₂ , PM _{2.5} , and O ₃ air quality data; and education on the impacts of air quality on health	<ul style="list-style-type: none"> • Continued partner engagement • Resident survey measuring increased air pollution awareness and understanding of health impacts
<i>Intermediate – Behavior Changes</i> : improved understanding of when to avoid outdoor activities during poor AQI days; and local/state policy actions that mitigate air pollution hot spots	<ul style="list-style-type: none"> • Resident survey measuring changes in behavior based on air quality data • Adoption of local/local policies that address air quality in the South End and West Side neighborhoods
<i>Long-term – Less Pollution and Better Health Outcomes</i> : lower NO ₂ , PM _{2.5} , and O ₃ emissions; reduced asthma hospitalizations and emergency room visits; fewer new cases of asthma; less prevalence of chronic heart/lung disease; diminished risk of mental health disorders and impaired cognitive development; and decreased rate of premature deaths	<ul style="list-style-type: none"> • Air quality monitoring results showing reduced pollution • Hospital records showing improved health outcomes • Results of next <i>Community Health Needs Assessment</i>

The proposed project meets Goal 4 of EPA’s 2022-2026 Strategic Plan in that air quality monitoring will support “low-income and marginalized communities that for decades have been overburdened with air pollution and other environmental hazards.”

Timeline and Milestones – The City of Stamford proposed the following project schedule:

- Month 1: Grant award
- Month 2: Convene working group and initiate bimonthly meetings
- Month 3: Develop project game plan
- Months 4-5: Promote and conduct community meetings
- Month 6-8: Procure monitoring equipment vendor and third-party web site developer
- Month 9: Identify monitor locations
- Months 10-11: Install air quality monitors
- Months 12-13: Develop public web site and text alert system
- Month 14: Launch web site and text alerts
- Months 15-20: Outreach to promote air quality monitoring tools
- Months 22-36: Ongoing air quality monitoring

WORKPLAN

- Month 34: Community survey
- Months 35-36: Compile final report

V. Quality Assurance Statement

See attached description of the project's quality assurance and quality control practices.

VI. Programmatic Capability and Past Performance

A. Past Performance – The following four (4) grant-funded projects demonstrate the City of Stamford's capacity to effectively implement environmental projects:

- EPA – National Clean Diesel Funding Assistance (10/1/2019 thru 6/30/2021): The City of Stamford received EPA funding to replace seven outdated refuse vehicles with new lower emission models. The project was completed in a timely manner with one extension related to COVID and delayed supply chain issues. This closed project met the intended outcome of reducing air pollution.
- CT Health Foundation – State Vaccine Equity Partnership Grant (9/1/2020 thru 6/30/2021): The City of Stamford was awarded \$100,000 from the Connecticut Health Foundation to support its COVID response efforts. The local health department used the funding to hire 15 Community Health Workers and conduct door-to-door vaccination canvassing. The project met the intended outcomes of outreach and direct services related to the pandemic. The project is closed out with no outstanding issues.
- CT Department of Transportation – Elder and Demand Response Transportation (recipient since 2017): The City of Stamford receives approximately \$128,000 annually to provide on-demand transportation services for seniors and individuals living with disabilities. Taxi vouchers and other door-to-door transportation services are provided to those who otherwise are unable to get to doctor's appointments, visit a pharmacy, or purchase groceries. The project continues to meet the intended outcomes of providing essential transportation services.
- CT Department of Public Health – Epidemiology and Laboratory Capacity Funding (5/1/2020 thru 11/17/2022): The CT Department of Health awarded the City of Stamford a \$704,298 cooperative agreement to respond to the COVID outbreak in the community. To date, funding has been effectively spent on COVID testing and vaccinations. The project is ongoing.

B. Reporting Requirements – All reporting requirements have been met for the projects above:

- EPA – National Clean Diesel Funding Assistance (10/1/2019 thru 6/30/2021): The City of Stamford's Grants Office worked with the Solid Waste and Recycling Department to gather data and submit the quarterly programmatic and financial reports in a timely manner throughout the grant period. The final reports for programmatic and financial tracking were submitted on time and all funds were requested and received prior to close out.
- CT Health Foundation – State Vaccine Equity Partnership Grant (9/1/2020 thru 6/30/2021): The City of Stamford's Grants Office worked closely with the Department of Health to administer the grant. Data was collected, analyzed, and submitted quarterly to the CT Health Foundation.
- CT Department of Transportation – Elder and Demand Response Transportation (recipient since 2017): The City of Stamford's Grants Office works collaboratively with the Social Services Administration to administer this annual funding. Data is collected on a quarterly basis and submitted to the CT Department of Transportation by the required deadlines. Quarterly reports include financial and programmatic information.
- CT Department of Public Health – Epidemiology and Laboratory Capacity Funding (5/1/2020 thru 11/17/2022): The City of Stamford's Grants Office and Department of Health work collaboratively to ensure that funds dedicated to COVID are spent appropriately. Quarterly progress and financial reports for the prime and subrecipients are submitted in a timely manner. Requests for reimbursement include the required documentation. Monitoring of all subrecipients is conducted for compliance.

WORKPLAN

C. *Staff Expertise* – Key staff who will support the project include:

- Ted Jankowski – Mr. Jankowski has served as the Director of Public Safety, Health, and Welfare for the City of Stamford since 2012. He is responsible for the administration, supervision, and performance of all municipal functions related to police, fire, health, social services, rescue, emergency medical services, emergency management and homeland security. Mr. Jankowski has 30+ years of safety, emergency response, emergency management, and incident command experience. Ted holds a Bachelor's in Business Administration from New York University and a Master's in Homeland Security from the United States Naval Postgraduate School.
- Jody Bishop-Pullan, RDH, BS, MPH – Ms. Bishop-Pullman is the Acting Director of the Department of Health for the City of Stamford. She is responsible for enforcing state and federal public health code and local regulations and ordinances. Ms. Bishop-Pullman has 40+ years of experience in the health sector. She received a Bachelor's in Dental Hygiene from the University of Bridgeport and a Master's in Public Health from Southern Connecticut State University.
- Janeene Freeman – Ms. Freeman is Special Assistant to the Mayor and Director of Partnerships and Community Engagement. She most recently served as the Director of Education and Youth Development at Fairfield County's Community Foundation, where she was responsible for leading the organization's education grantmaking. Prior to joining the Community Foundation, Ms. Freeman worked for New Haven-based Northeast Charter Schools Network, where she served as the Chief Executive Officer. She holds a Bachelor's in Government from Wesleyan University and a Master's in Public Administration from Columbia University.
- Anita Carpenter – Ms. Carpenter is the Grants Officer for the City of Stamford. Her responsibilities include managing a portfolio of federal, state, and local funding for capital and operating expenses. This includes the multi-million dollar American Rescue Plan and CARES Act funding. Ms. Carpenter brings more than 28 years of experience with federal and state funding administration, serving as a Grants Analyst for non-profits, units of government, tribal entities, and Tribal Nations. She holds a Bachelor's in Political Science from Rhodes College.

VII. Budget

A. *Budget Detail*

Line Item & Itemized Cost	EPA Funding
Personnel	
N/A	\$0
TOTAL PERSONNEL	\$0
Fringe Benefits	
N/A	\$0
TOTAL FRINGE BENEFITS	\$0
Travel	
N/A	\$0
TOTAL TRAVEL	\$0
Equipment	
Three (3) air quality monitors with licenses, measuring NO ₂ , PM _{2.5} , and O ₃ @ \$9,900/unit	\$29,700
Nine (9) replacement NO ₂ and O ₃ sensors @ \$695/unit	\$6,255
Nine (3) replacement PM _{2.5} sensors @ \$200/unit	\$1,800
TOTAL EQUIPMENT	\$37,755
Supplies	
Outreach materials and supplies	\$1,500
TOTAL SUPPLIES	\$1,500

WORKPLAN

Contractual	
Air quality monitor installation, training, data validation, and tech support	\$15,000
Web site development with air quality data integration	\$12,500
TOTAL CONTRACTUAL	\$27,500
Other	
Community meeting expenses	\$2,000
TOTAL OTHER	\$2,000
Indirect Charges	
N/A	\$0
TOTAL INDIRECT	\$0
TOTAL FUNDING	\$68,755
TOTAL PROJECT COSTS	\$68,755

B. Reasonableness of Costs

- Personnel: No expenses are included in the budget for personnel costs. The City of Stamford will manage the project with local funds.
- Fringe Benefits: No expenses are included in the budget for fringe benefits. The City of Stamford will pay fringe benefits with local resources.
- Travel: No expenses are included in the budget for travel.
- Equipment: The budget includes \$29,700 to purchase three (3) AQY-R or comparable air quality monitors (with licenses). The cost of these monitors is \$9,900 per unit. Air quality monitors will be installed on community centers, schools, fire stations, libraries, and other key locations across the South End and West Side neighborhoods. Funding for the replacement of NO₂/O₃ (\$625/unit or \$6,255 total) and PM_{2.5} (\$200/unit or \$1,800 total) sensors is also included in the budget.
- Supplies: The budget includes \$1,500 for outreach expenses, including the development of flyers, presentations, videos, and other materials. This information will be used to promote community engagement opportunities as well as market the availability of the public web site.
- Contractual: The City of Stamford will contract with an environmental expert to implement its air quality monitoring program. The budget includes \$15,000 for assistance in selecting equipment, identifying locations, installing sensors, training users, data validation services, and tech support. A second contract of \$12,500 will be awarded to a web site developer that will integrate air quality data into user friendly dashboard. This contractor will also create an SMS text alert system that will share AQI index information with registered users.
- Other: The budget includes \$2,000 to support logistical expenses at three (3) community meetings, including facility charges, A/V equipment, and other on-site costs.
- Indirect Charges: No expenses are included in the budget for indirect charges.

C. Expenditure of Awarded Funds – The City of Stamford is fully prepared to manage the costs of its proposed air quality monitoring program. The project team has a track record of delivering projects on-budget and on-time. The City of Stamford has an exemplary history of managing federal grants, having received numerous EPA, U.S. Department of Housing and Urban Development, U.S. Department of Transportation, and other federal grants over the years. It has the financial management systems, policies, and guidelines in place to account for all federal spending. The City of Stamford's Grants Office will also be involved in administering EPA funding. This department is responsible for procurement, accounting, billing, reporting, and auditing related to federal awards. The City of Stamford has never been cited for an adverse OMB Circular A-133 audit finding and has never been required to comply with "high risk" terms or conditions under OMB Circular A-102.

TED JANKOWSKI

Ex. 6 Personal Privacy (PP)

Senior Public Safety Professional with more than 33 years of varied and extensive experience in public safety strategies, emergency preparedness and response, media relations, diverse community outreach with executive and organizational leadership, across 2 large municipalities.

Outstanding record of implementing and managing successful safety, security, health and preparedness efforts to prevent, protect against, respond to and recover from actual events.

EDUCATION

Harvard University, John F. Kennedy School of Government
Cambridge, Massachusetts
Leadership in Crisis, 2013

**Columbia University, The Graduate School of Business,
Management Institute**
New York City
Executive Leadership Development, 2006

United States Naval Postgraduate School
Monterey, California
Master of Arts Degree, Security Studies - Homeland Security, 2005

New York University
New York City
Bachelor of Science Degree, Business Administration, 1988

EXPERIENCE

**Director of Public Safety, Health & Welfare
City of Stamford, CT**
01/2012 to Current

Provides executive leadership managing the Office of Public Safety, Health and Welfare consisting of six (6) departments serving a diverse population in the second largest city in Connecticut consisting of urban, suburban, and rural areas. Oversees the administration, supervision and performance of police, fire, 911 communications, health, social service, rescue, emergency medical service and emergency management with a workforce of more than 689 employees, along with an annual \$91.9M budget. Responsive to inquiries from residents, the Mayor, Board of Representatives, Board of Finance, Commissioners and community leaders. FBI Secret Security Clearance. Notable successes during tenure include:

- *Positive, collaborative public safety and health relationships with local, state and federal partners, as well as diverse community members, leaders, and stakeholders.*

SKILLS

Organizational leadership

Executive Leadership

Public Safety Strategy and Analysis

Development and implementation of best practices, policies, and procedures

Community Outreach and assistance

Media relations

Collaboration and team builder

Incident Command

Emergency Management

Budgeting and Fiscal Responsibility

Inter-agency Coordination and collaboration

Emergency Preparedness and response

Problem Resolution

Ethical and Compliance

MERITORIOUS AWARDS

World Trade Center - Rescuer Medal

Pulaski Association Medal

Merit Rating Class III Award in Ladder Company 11 for Operations at Box 416

Rescuer Citation for Operations at the World Trade Center, September 11, 2001

Citation in Engine Company 235 Box 2-2 657

- Developed City Ordinance requiring smoke and carbon monoxide detectors be installed within EACH individual dwelling unit.
- Instituted Joint Arson Team Investigation Procedures to ensure proper fire and police investigations in solving arson fires.
- Developed and instituted Stamford's Incident Management System (SIMS) for a coordinated citywide response.
- Implemented Multi Agency Guidelines for Response to Active Assailant/Active Shooter Incidents for first responder safety and improved action time to neutralize the assailant to provide immediate medical care to the injured for survival.
- Coordinated successful Emergency Management Preparedness, Response, Recovery and Mitigation efforts to Public Safety incidents - natural disasters, emergencies, and weather events.
- Led Public Safety response to Covid-19 pandemic, involving all agencies, including working with local, state and federal partners, advising Administration and coordinating Public Safety staff activities.
- Implemented Fire Service Unification by updating standards, protocols and response guidelines for improved fire and life safety emergency response.
- Implemented Emergency Medical Dispatching (EMD) in the 911 Communications Center for triaging calls to provide for the appropriate emergency resource allocation reducing risk to residents and visitors on Stamford roads.
- Developed and implemented the City of Stamford's Police Mental Health Collaborative to ensure improved response and continuum of care for individuals having mental health incidents. Increased training for police officers and dispatchers; improved mental health emergency response utilizing EMS and reducing police intervention; social service program embedded with the SPD; and community partner collaboration to assist individuals with addictions, health and homelessness.
- Improved Emergency Management initiatives utilizing the Everbridge emergency alert notification system and the Corporate Emergency Access System (CEAS) for the business community.
- Improved response to opioid overdoses by securing Naloxone for all first responder emergency vehicles.
- Utilized technology for improving safety and security of residents (CCTV, Traffic Cameras, Blue light emergency phone towers, illegal dumping cameras, harbor security cameras, Secure Cam program).
- Provided budget guidance and strategy for consistent responsible management of financial resources.
- Drove and supported successful Grant funding initiatives.
- Implemented and promoted Citizen's Public Safety Academy, a popular program for residents and youth, introducing them to the functions of Public Safety Agencies for improved community relationships.
- Supported and expanded CERT team and the MRC, integral volunteer programs.
- Worked with Mayoral Committee to rewrite Animal Control City Ordinances.

Citation in Engine Company 235 for Operations at Box 938

Citation in Engine Company 28 for Operations at Box 22-439

PUBLIC SAFETY TRAINING

21st Century Policing - White House Presidential Briefing with President Obama

Undoing Racism Seminar, The People's Institute for Survival and Beyond

Fair and Impartial Policing: A Science-Based Approach Dr. Lorie Fridell, Fair & Impartial Policing (FIP)

Implicit Bias Training, Dedication to Community,

Sexual Harassment Prevention Education Training, City of Stamford

Crisis Management, Executive Leadership Training - Harvard School of Public Health

Police Department (NYPD) Intelligence and Counterterrorism Conference, New York City

Police Department (NYPD) Operation Sentry Conference, New York City

Six Sigma Green Belt Course Training - ESF-8 Healthcare Coalition, Harvard

Medical Special Operations Training Conference(s) - Fire Department of New York (FDNY)

Commitment to Standards of Excellence in Emergency Management FEMA - Emergency Management Institute (EMI)

Emergency Management Symposium, Connecticut Conference of Municipalities

Overdose Prevention, Connecticut Department of Public Health

Municipal Training Freedom of Information, Connecticut Conference of Municipalities - Fire and Life Safety Symposium, Fire Safety Director's Association

Independent Safety Consultant
New York City, New York
11/2009 to 01/2012

Provided consultation and advice on health and safety issues.

- *Reviewed safety investigations and reports and provided feedback for review and improvements.*
- *Reviewed risk management plan(s) and provided appropriate risk and safety analysis.*

Deputy Chief, Executive Officer
Fire Department of New York (FDNY)
04/2005 to 11/2009

Citywide Safety Chief, 24/7 responder responsible for the administration, supervision and performance of Chief Officers and firefighters under Safety and Inspection Services Command. Developed and implemented policies and procedures to improve safety for uniform personnel and residents. Positive and effective relationships with department heads, city administration, elected officials, the community and positive professional relationships with labor unions.

- *Developed and implemented the departments risk management plan.*
- *Researched and defined phenomena known as Rescuer Panic and Fear, RPF Syndrome for firefighter safety and survival.*
- *Coordinated Fire Safety investigations and reports.*
- *Provided continuous recommendations for improved comprehensive department policies, procedures and training.*
- *Reviewed individual department performance and worked with leadership to improve department processes, procedures and practices*
- *New training program(s) implementation and procedures to address health and safety concerns.*
- *Initiated and instituted positive safety cultural change for firefighter safety.*
- *Improved interagency communications and procedures for improved fire and life safety.*
- *Interagency coordination to make Life Safety changes to procedures, inspections, training.*
- *Improved Rescue Response capabilities.*
- *Changes to codes and ordinances.*

Battalion Chief, FDNY, Bronx, New York
03/2002 to 04/2005

Extensive oversight and management of Battalion operations. Incident Commander during fire and emergency incidents and safety officer citywide. Oversaw overtime operational budget within the Battalion, Fire Prevention and Training. Community liaison and outreach. Responsible for the administration, supervision and performance of

911 Dispatch - PSAP NextGen 911 Administrator

Training - Division of Statewide Emergency Telecommunications

PROFESSIONAL ORGANIZATIONS

International Association of Emergency Managers (IAEM)

International Association of Chiefs of Police (IACP)

International Association of Fire Chiefs (IAFC)

National Emergency Managers Association (NEMA)

National Association of Safety Professionals (NASP)

ASIS International for Security Professionals (ASIS)

New York City Chief Officers Association

Uniform Fire Officers Association (UFOA)

units under command including initiatives, training and community outreach. Supervised and coordinated tactical methodology used in resolving emergencies and other situations. Coordinated fire prevention inspections and pre-planned activities of department. Reviewed fire reports and payroll entries of station officers to verify accuracy and completeness. Oversaw scene operations and assigned firefighters to strategic locations.

Captain, Company Commander, FDNY, Brooklyn, New York
06/1999 to 03/2002

Responsible for management and oversight of firefighters assigned to the fire station and at emergency incidents. Coordinated company operations for members operating at the World Trade Center site, the largest rescue effort in modern history. Extensive oversight and management of day to day operations. Community liaison officer, attending community meetings and met with community members to discuss concerns and issues. Adjunct Instructor at the Division of Training.

- *Instituted a PTSD counseling plan for members after the September 11, 2001 terrorist attack.*
- *Provided Family Grief Counseling for individuals and families who lost loved ones during the terrorist attack.*

Lieutenant, FDNY, Brooklyn, New York
01/1994 to 06/1999

Responsible for management and oversight of firefighters working in the fire station. Oversaw all aspects of personnel management including payroll, assignments, performance appraisals, discipline and guidance. Attended community meetings and met with community members to discuss concerns and issues. Commanded on-scene tactical teams during critical incidents

- *Maintained positive community relations through active communication at fire scenes and fire station visits.*
- *Responded promptly to calls for protection of life and property, enforcement of the fire code and laws and general public service calls.*

Firefighter, FDNY, Manhattan, New York
08/1986 to 01/1994

Firefighter trained to respond to fire and emergency incidents. Responded to fires and emergency medical calls to perform lifesaving procedures and other emergency medical services. Inspected buildings for pre-fire plans, fire hazards and compliance with fire prevention ordinances. Educated public and community members on fire safety and prevention methods to provide life-saving techniques.

FIRE AND EMERGENCY MANAGEMENT TRAINING

National Incident Management System (NIMS)
National Incident Management Team – Safety Officer Level II
Fire Instructor Level I
Fire Instructor Level II
Incident Command System 100
Incident Command System 200
Incident Command System 300
Certificate of Training - Emergency Response to Terrorism/Basic Concepts
Certificate of Training - Building Construction Principles, Wood, and Ordinary Construction
Certificate of Training - Building Construction Non-Combustible/Fire Resistive
Hazardous Materials First Responder Operations
Hazardous Materials Technician Level I
Incident Safety Officer
Fire Officer Level I
Fire Officer Level II
Certified First Responder – Defibrillation
Level II Construction Safety OSHA- Excavating and Trenching
Completion of In Service Fire Training

Fire Behavior and Arson Awareness
Fire Cause and Origin Determination
Municipal Police Training - Basic Course for Peace Officers Apprenticeship Training as a Firefighter
Promotional Supervisory Certification
Basic Fire Training Program
Incident Safety Officer - Certified Safety Coordinator
Training Coordinator
New York City Fire Department Incident Management Team
Certified Basic Traffic Crash Investigator
Certified Foam Coordinator
Chief Officers Command Course
Community Board Liaison
Fire Prevention Coordinator
Probationary Firefighter Training Course
Rescue School – Confined Space/Ropes
Educational Methodology I
Certified Advanced Fire ground Safety Investigator
Forensic Photography

JODY BISHOP-PULLAN, RDH, BS, MPH

Ex. 6 Personal Privacy (PP)

Skills

Health Promotion and Disease Prevention
Program Planning and Evaluation
Grant Writing and Reporting
Education

Team Leadership
Strategic Planning
Administration and Budgeting
Policy Development

Professional Experience

- Acting Director of Health** 2021-present
City of Stamford Department of Health 888 Washington Blvd, Stamford, CT 06901
- Responsible for enforcing State and Federal Public Health Code and local regulations and ordinances and for delivering the Ten Essential Public Health Services
 - Responsible for the administration and supervision of the City of Stamford, CT Department of Health overseeing Environmental Health, Community and School Nursing and Dental Services, and Laboratory Services and additional activities including leading the City's ongoing response to the Covid-19 pandemic
 - Provides leadership to achieve the mission and vision of public health in Stamford to both internal and external stakeholders
 - Supports ongoing and new initiatives to promote health, prevent disease and respond to emerging health issues
 - Facilitated the achievement of a Covid-19 vaccination rate of over 80% for all eligible residents in all census tracts in the city
 - Assessed data provided by the CT State Department of Public Health and Department of Health contact tracing to provide guidance to the mayor, the Board of Education, organizations and businesses regarding health and safety protocols during the pandemic
 - Successfully managing 3 million dollars in grants related to Covid-19 response, Per Capita funding, Public Health Emergency Response, Preventive Health and Health Services Block Grant
 - Successfully participated in the emergency response to two hurricanes by opening storm shelters for impacted residents
 - Established a collaboration with Stamford Health to conduct a Community Health Needs Assessment as the basis for a Community Health Improvement Plan, Department of Health Strategic Plan and National Accreditation

- Public Health Dental Case Manager/Acting Director of Health** 2003-2020
City of Stamford Department of Health 888 Washington Blvd, Stamford, CT 06901
- Managed a comprehensive oral health program in 27 public, private and parochial schools, 21 nursery schools, 18 school dental clinics, adult education, mobile medical van and health fairs
 - Improved access to care by providing case management and direct service for school children in need of oral health services

- Coordinated funding needs, wrote, managed and reported on grants received from various public and private funding sources
- Collected, analyzed and reported program data
- Contributed to Health Department reports and budget preparation
- Coordinated, mentored and provided technical guidance to staff and student interns
- Launched the expansion of the school oral health program and coordinated construction of six licensed school dental clinics and technology implementation
- Acting Director of Health in the absence of Stamford Department Health, Director of Health; managing day to day activities and emerging problems (e.g., sign inspection orders, oversee outbreak investigations, emergency response)
- Member of the leadership team responding to the Covid-19 pandemic for the City of Stamford Department of Health; Managing call center linking people to Covid testing, responding to inquiries from the public, conducting case investigations, risk assessments and contact tracing, collaboration on reopening the economy and schools

Adjunct Faculty

2012-present

University of Bridgeport

126 Park Ave, Bridgeport, CT 06604

- Teach online two graduate level courses in Dental Public Health; Developed course objectives, content and requirements
- Teach on-campus undergraduate course in Community Health; Developed course objectives, content and requirements for course in Healthcare Administration

Adjunct Faculty

1994-2002

University of New Haven

300 Orange Avenue, W. Haven, CT 06516

- Coordinated and supervised the student learning experience at the Veteran's Hospital, West Haven and clinical teaching in the UNH Dental Center
- Created and implemented the community services program of the Public Health curriculum for groups of students to provide community-based programs for diverse populations in surrounding communities.

Dental Hygiene Consultant

1985-87, 1990-92

Courtland Gardens Health Center

59 Courtland Avenue, Stamford, CT 06902

- Created and implemented a preventive oral health program for residents of a long-term care facility.

Clinical Instructor

1981-1983

Fones School of Dental Hygiene

University of Bridgeport, Bridgeport, CT 06601

- Managed a program of preventive oral health care services for hospital in-patients relative to the student learning experience

Professional Leadership and Association Membership

- Research presenter American Public Health Association Annual Meeting, 2004, 2015
- Past President; CT Dental Hygienists' Association
- CDHA Mable C. McCarthy Award for distinguished service and outstanding dedication to the profession

- Delegate; American Dental Hygienists' Association
- Published research; Journal of Dental Hygiene
- Member of Eta Sigma Gamma, National Health Education Honorary
- Member American Public Health Association
- Member Connecticut Public Health Association

Education

Master of Public Health

Southern CT State University

Kaye Keiser Valedictory Award for Highest GPA

Bachelor of Science in Dental Hygiene

University of Bridgeport

Minor in Gerontology

Magna Cum Laude

Ongoing: Continuing Education Credits earned annually, CPR Certified

Community Service

Chairperson/Elected Member

2000-2012

Norwalk Board of Education

- Chaired Policy, Finance, Negotiations and School Building Committees

President

1993-2001

Norwalk PTO Council

- Represented nineteen public schools in Norwalk
- Coordinated district-wide advocacy, communication, and parental involvement,
- Participated on numerous committees and worked with parents, teachers, administrators, and community leaders district-wide

Founding Director/Past President

1998-2002

Norwalk Education Foundation

- Established to support partnerships and collaboration for funding new initiatives to enhance Norwalk Public School programs

Volunteer Consultant

2014-2019

Saint Joseph's Parenting Center

- Developed program evaluation using Results Based Accountability

Coach

1992-2012

Odyssey of the Mind

- Guided award-winning creative problem-solving teams for Norwalk Public Schools

Janeene K. Freeman

Ex. 6 Personal Privacy (PP)

Ex. 6 Personal Privacy (PP)

EXECUTIVE PROFILE

High integrity, strategic thinker with expertise in cultivating, fostering, and leveraging relationships to accomplish goals. Dedicated nonprofit professional with proven ability to work effectively with internal and external stakeholders through collaborative leadership. Passionate advocate for individuals, families and communities with an emphasis on advancing social justice causes.

CORE COMPETENCIES & SKILL AREAS

- ◆ Relationship building ◆ Vision setting and articulation ◆ Motivation and staff development
- ◆ Achieving win-win solutions ◆ Budget management ◆ Organizational transition ◆ Advocacy

PROFESSIONAL EXPERIENCE

City of Stamford, Mayor's Office

Stamford, CT

Special Assistant to the Mayor, Director of Partnerships and Community Engagement

Jan 2022-Present

- Lead community engagement efforts to build partnerships with Stamford residents, community leaders, nonprofit and civic organizations through conversations and events.
- Serve as liaison on education and housing issues.
- Oversee management of *FixIt Stamford*, the online tool used to track citizen issues.

Fairfield County's Community Foundation

Norwalk, CT

Director of Education and Youth Development

Jul 2018 – Dec 2021

- Led the Community Foundation's education grant making portfolio which distributed over \$1.5m annually to organizations serving the county.
- Managed the Thrive by 25 initiative focused on increasing high school graduation rates, and creating access to career opportunities that help youth and young adults become economically independent.
- Served on the leadership team to develop strategic plan and set organizational priorities.
- Provided guidance to a funding collaborative established by corporations and businesses to address equity issues in the education system.
- Advised and helped launch an education initiative for international company that focused on making STEM concepts relevant to and accessible for elementary school students.

Northeast Charter Schools Network

Albany, NY/New Haven, CT

Chief Executive Officer

Jan 2017 – Mar 2018

- Led and set strategic vision for a multi-state advocacy and membership organization that supports the growth and development of high-quality charter schools in New York and Connecticut.
- Managed \$2.3m operational budget, and maintained support of major donors.
- Engaged Board of Directors to create support for short, medium and long-term goals and created benchmarks to assess organization's progress.
- Cultivated relationships with key external stakeholders -- charter school leaders; state officials; and partner organizations -- to achieve organizational goals.

Community Service Society of New York

New York, NY

Director of Government Relations

Jan 2008 – Dec 2017

- Developed strategy for implementing CSS's legislative agenda at the local, state, and federal levels.
- Lobbied elected officials to affect policy change and secured funding for CSS initiatives.

- Orchestrated CSS's successful 2013 mayoral forums with key labor union partners which led to substantive policy changes in the housing arena and the implementation of a paid family leave program in New York City.

Associate Director, NYC Managed Care Consumer Assistance Program (NYC MCCAP) Aug 2006 – Jan 2008

- Managed daily program operations and staff, and engaged in strategic planning for department to ensure growth by identifying new opportunities and partnerships.

Program Specialist/Contract Manager, NYC MCCAP Oct 2004 – Aug 2006

- Managed seven community based organizations that conducted workshops about accessing affordable health insurance, representing contracts totaling \$470,000.

Project Specialist/Contract Manager, Medicaid CHOICE Education Project Jan 2003 – Oct 2004

- Assisted with the development and implementation of the Medicaid CHOICE Education Project, a new initiative of CSS's Community Health Access Department.

Special Assistant to the President May 2000 – Jan 2003

- Served as a liaison between the President's Office and agency departments.
- Represented CSS at meetings and events to build partnerships with other organizations and increase awareness about CSS and its programs.

People's Bank Bridgeport, CT

Project Specialist, Credit Card Division May 1999 – May 2000

- Managed the conversion to a new credit card processing system which significantly reduced expenses across the division.
- Assisted with division wide roll-out of new quality process which identified and rewarded employees for extraordinary job performance.

Corporate Training Development Program Jun 1998 – May 1999

- Gained understanding of the credit card services business through short-term rotations through division departments.

VOLUNTEER LEADERSHIP

The Ferguson Library, *Citizens Advisor* 2021-Present

Girls Lead, Inc., *Board Member* 2018-2021

New York Women's Foundation, *Member of Circle of Sisters Group* 2002-2014

Co-Chair for Committee for the Future

Member of Committee for the Future

Wesleyan New York Alumni Club, *Secretary & Chair of Black Alumni Council* 2002 - 2003

EDUCATION

Columbia University, New York, NY

Master of Public Administration, School of International and Public Affairs, May 2005

Wesleyan University, Middletown, CT

Bachelor of Arts, Government with a concentration in Comparative Politics, May 1998

ANITA M. CARPENTER

Ex. 6 Personal Privacy (PP)

Solutions-driven and resourceful senior trainer, evaluator, grant writer and administrator possessing a wealth of expertise in managing non-profit, program and project grant fund processes, grant budget development/reporting, post-award evaluation, meeting facilitation, training and full accountability for all programmatic and compliance strategy. Adept in proactively spearheading the identification, securing and development of funding sources to support program and organizational activities, while leading the development and coordination of relationship management, problem solving, and capacity building.

- | | | |
|----------------------------------|----------------------------|-----------------------------|
| • Grant Writing/Administration | • Federal & State Funding | • Data Analysis |
| • Program Development/Mgmt. | • Team Building/Management | • Community Development |
| • Non-Profit Exec. Operations | • Compliance Management | • Grant Policies/Procedures |
| • Outreach and Capacity Building | PROFESSIONAL EXPERIENCE | • Stakeholder Engagement |

INDEPENDENT CONTRACTOR/CONSULTANT, Grant Writing, Training, Evaluation 1999 - Present

Manage the delivery of training, education and L&D sessions, 2 CFR 200 updates, grant writing, management and administration, peer reviews, curriculum reviews, training module development, and technical writing services to clients nationwide, to include serving as a grant administrator for the Community Development Block Grant Program and Community Economic Development.

- Lead grants development and management of public infrastructure projects for communities with federal funds ranging from \$150K to over \$2M; grant writing, outreach, project management, and evaluation for nationwide nonprofit supporting patients with rare diseases and medical conditions, various local and national ngo's.
- Serve as a national consultant to the Office for Victims of Crime Training and Technical Assistance Center and trainer of federal and non-federal personnel for Management Concepts.
- Lead evaluator for human trafficking and indigenous population public health projects.
- Create/deliver training in succession planning, victim services leadership development, outreach and marketing development, emotional intelligence, advocacy, grant writing, evaluation, and program development.
- Work with diverse government agencies and non-profits in rural communities focused on public infrastructure, economic development, marginalized population issues, and housing/community development projects.
- Deliver strategic planning guidance to communities, non-profits and businesses, including event planning, fundraising, strategic analysis and reports, environmental assessments and public meeting facilitation.
- Serve as a peer reviewer for the Office of Justice, Administration for Children and Families, Administration for Native Americans, Housing and Urban Development, and Department of Health and Human Services.

Southern Ute Indian Tribe

5/2018 - 7/2020

A Native American reservation in rural southwestern Colorado consisting of land from three counties; La Plata, Archuleta, and Montezuma Counties.

GRANT WRITER/COURT INFORMATION ANALYST

Direct all aspects of the writing and administration of federal and state grants for the Tribal Court programs ranging from \$18K to over \$750K, while managing an average annual budget of \$3M. Proactively monitor and maintain post-award grant management activities including providing ongoing financial reporting, tracking/monitoring expenses to federal grants, approving charges and serving as the primary point of contact on all compliance related issues involving grants.

- Research grants for new programs and ongoing program operations.
- Manage overall responsibility for budget development, financial presentations to Tribal Council, federal and state grant reporting, data collection, and program evaluation/improvement.

Capacity Builders, Inc.

5/2014 - 6/2018

Organization serving the resource development needs of tribal nonprofits and federally recognized tribes of the US Four Corner's community; northwest New Mexico, southwest Colorado, southeast Utah, and northeast Arizona.

PROGRAMMATIC GRANT ADMINISTRATOR/EVALUATOR

Managed and led all aspects of diverse program evaluation, development, funding, grant writing/administration and management, to include the direct oversight of AmeriCorps State formula and tribal programs, a social economic development program, a rural business enterprise grant program, and the Carol M. White Physical Education Program.

Anita Carpenter

Page 1 of 2

- Played key role in developing victim advocacy programs for sexual assault victims in remote/rural areas of the Navajo Nation.
- Developed programs focused on capacity building within the Navajo Nation and rural New Mexico and Arizona including federal, state and private grant writing/management, training and fund development.
- Led client quality control, contract development and negotiation, and evaluator supervision of Masters and PhD level evaluators for projects ranging between \$300K to \$2.5M.
- Coordinated pre-award planning, organization, preparation, and submission and post-award evaluation/administration for all grants and other sponsored programs, special projects and initiatives.
- Acted as a liaison with other grant stakeholders; e.g., program/project managers, finance team, legal counsel, funding organizations, etc.

Coalition Against Sexual Assault

6/1999 - 4/2014

Coalition empowering communities to prevent sexual assault and serve those impacted by it.

CHIEF EXECUTIVE OFFICER

Directed and oversaw all aspects of fiscal, funding and administrative operations of the state member-based coalition comprised of 10 staff and numerous consultants/volunteers, to include criminal justice grant writing and management, donor management/relations, administration of an annual \$1.2M budget, fundraising, program development, victim advocacy, public/media relations, public policy development, outreach, events management and staff administration.

- Administered federal and fee-generated funding for rape crisis centers.
- Built/maintained partner relationships with federal/state funding agencies and other national and state entities; participated in national/state public policy processes, including development, fiscal analysis and testimony.
- Developed and implemented state Sexual Assault Response Team (SART) guidelines and the State Plan.
- Served as the primary trainer and liaison to human trafficking statewide initiatives, while working with special needs populations and overseeing sex offender management/monitoring processes.
- Acted as the administrator for the state victim assistance academy and served as a military trainer/advocate for the National Guard and Camp Atterbury.

EDUCATION & SELECT AFFILIATIONS, BOARDS & COMMISSIONS

BACHELOR OF ARTS ~ POLITICAL SCIENCE, French

Rhodes College, Memphis, TN

Select Affiliations

Member ~ SMART Collaborative

- Group focused on at-risk youth and rural community challenges in LaPlata and surrounding counties.

Non-Profit Member ~ United Way Collective Impact Committee, La Plata County

Advisory Council Member ~ Center for Disease Control and Prevention Advisory Council (2012-2014)

- Participated in policy and programming to prevent and reduce sexual violence in the United States.

Governor Appointed Board Member ~ Indiana Sexual Assault Victim Advocacy Certification Board

- Tasked with the establishment and implementation of certification standards for sexual assault victim advocates in Indiana, as well as the oversight and management of the State Victim Assistance Fund.

Governor Appointed Board Member ~ Indiana Domestic Violence Prevention & Treatment Council (2008-2014)

- Council tasked with the management and oversight of the HMIS data collection, DVPT, FFV, SSBG, and SOS funding streams.

Appointed Member, SecDef Donald Rumsfeld ~ Defense Task Force on Sexual Assault in the Military

Appointed Member, SecDef Donald Rumsfeld ~ Defense Task Force to Investigate Sexual Harassment & Violence at US Military Academies

Appointed Member, SecDef Donald Rumsfeld ~ Fowler Commission, Air Force Academy Sexual Misconduct Investigation

Task Force Member ~ Indiana Protection for Abused and Trafficked Humans Task Force

Published Articles/Works

- Authored more than 150 published works through collaborations, articles and research; successfully written more than 600 grant proposals with a 95%+ funding rate.



Affiliate: Columbia University Vagelos College of Physicians and Surgeons
A Planetree Hospital
A Magnet® Recognized Hospital

March 22, 2022

Administrator Michael Regan
Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Re: Strong Support for Stamford's Enhanced Air Quality Monitoring for Communities Project

Dear Administrator Regan:

I write on behalf of Stamford Health to convey our strong support for the City of Stamford's "Enhanced Air Quality Monitoring for Communities" application through the Environmental Protection Agency (EPA). The City of Stamford is seeking funding to monitor the air quality throughout the city, particularly in the census tract areas where the pollutants have reached harmful levels.

Stamford Health is a comprehensive, independent, non-profit system serving lower Fairfield and Westchester counties. We employ more than 3,700 people, making us the largest employer in the city of Stamford and one of the largest in Fairfield County. Beyond the lifesaving care we provide 24 hours a day, 365 days a year, we contribute more than \$1 billion to our state and local economy and provide more than \$90 million in uncompensated care to the residents that need it most. We are committed to providing friendly, personal care coupled with the most sophisticated services to residents.

As an institution dedicated to the health and well-being of the communities it serves, Stamford Health believes the City of Stamford's application is vital. With the ongoing variants related to COVID-19, it is vital to minimize additional health risks related to air pollutants.

In accordance with the Affordable Care Act, Stamford Health triennially surveys Stamford residents about numerous health and well-being issues to produce its Community Health Needs Assessment (CHNA). Stamford residents are asked many questions including whether they have been told by a medical professional that they have asthma. For the City of Stamford overall, 10% of respondents indicated they had been told they had asthma. For those with an income of under \$30,000, that figure rises to 19%. There is a correlation to the poverty rate and an increased asthma rate.

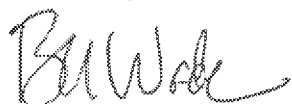
Stamford Health's CHNA data is consistent with the most recent data from the Connecticut Department of Public Health. State data shows that there are six census tracts in Stamford with Asthma rates per 10,000 individuals of between 81.9-147.2. Further, levels of 58.4-81.8 are identified for nine additional census tracts. The areas of primary concern are in the South End and West Side neighborhoods. Stamford ranks in the top five cities for Connecticut with the highest hospitalization rates related to asthma.

Recognizing that air pollution contributes to severe respiratory disorders, heart disease, global warming, and has a devastating impact on plants and animals there is a definite need for identification and mitigation related to harmful contaminants.

Stamford Health will collaborate with the Stamford Department of Public Safety to promote education and awareness initiatives. As a health care institution, we strongly support this effort as we are dedicated to eradicating pulmonary ailments.

Please give the highest consideration to Stamford's application for EPA Enhanced Air Quality Monitoring for Communities funding. Thank you.

Sincerely,



Benjamin Wade
Senior Vice President, Strategy & Marketing
StamfordHealth.org





Mary C. Rich Clubhouse
347 Stillwater Avenue
Stamford, CT 06902
Tel: (203) 324-0594
Fax: (203) 324-2330

Yerwood Center
90 Fairfield Avenue
Stamford, CT
06902
Tel: (203) 323-3547

March 21, 2022

Administrator Michael Regan
Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Re: Strong Support for Stamford's Enhanced Air Quality Monitoring for Communities Project

Dear Administrator Regan:

I write on behalf of Boys & Girls Club of Stamford to convey our strong support for the City of Stamford's "Enhanced Air Quality Monitoring for Communities" application through the Environmental Protection Agency (EPA). Stamford is seeking funding to monitor the air quality throughout the city, particularly in the census tract areas where the pollutants have reached harmful levels.

With the ongoing variants related to COVID-19, it is vital to minimize additional health risks related to air pollutants. Data from the Department of Health indicates that there are six census tracts in Stamford with Asthma rates per 10,000 individuals at 81.9-147.2; 58.4-81.8 rates are identified for nine additional census tracts. The areas of primary concern are in the South End and West Side neighborhoods. Stamford ranks in the top five cities for Connecticut with the highest hospitalization rates related to asthma.

Recognizing that air pollution contributes to severe respiratory disorders, heart disease, global warming, and has a devastating impact on plants and animals there is a definite need for identification and mitigation related to harmful contaminants.

Boys & Girls Club of Stamford is collaborating with the Stamford Department of Public Safety to promote education and awareness initiatives. As a stakeholder in the community, we strongly support this effort because the Boys & Girls Club of Stamford serves underserved youth on the West End of Stamford. We have more than 1400 members who participate at the Club in various activities. Data shows increased rates of Asthma and generally various respiratory health conditions amongst our population of Youth. This project contributes to health equity of our members served. I strongly support the funding and implementation of this initiative.

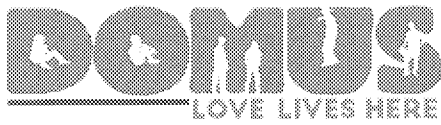
Please give the highest consideration to Stamford's application for EPA Enhanced Air Quality Monitoring for Communities funding. Thank you very much.

Sincerely,

A handwritten signature in black ink, appearing to read "Rowena Track". The signature is fluid and cursive, with a large initial "R" and "T".

Rowena Track
Chief Executive Officer

GREAT FUTURES START HERE.



March 21, 2022

Administrator Michael Regan
Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Re: Strong Support for Stamford's Enhanced Air Quality Monitoring for Communities Project

Dear Administrator Regan:

I write on behalf of Domus to convey our strong support for the City of Stamford's "Enhanced Air Quality Monitoring for Communities" application through the Environmental Protection Agency (EPA). Stamford is seeking funding to monitor the air quality throughout the city, particularly in the census tract areas where the pollutants have reached harmful levels.

With the ongoing variants related to COVID-19, it is vital to minimize additional health risks related to air pollutants. Data from the Department of Health indicates that there are six census tracts in Stamford with Asthma rates per 10,000 individuals at 81.9-147.2; 58.4-81.8 rates are identified for nine additional census tracts. The areas of primary concern are in the South End and West Side neighborhoods. Stamford ranks in the top five cities for Connecticut with the highest hospitalization rates related to asthma.

Recognizing that air pollution contributes to severe respiratory disorders, heart disease, global warming, and has a devastating impact on plants and animals there is a definite need for identification and mitigation related to harmful contaminants.

Domus is collaborating with the Stamford Department of Public Safety to promote education and awareness initiatives. As a stakeholder in the community we strongly support this effort because we work directly with the population who is negatively affected by poor air quality, specifically young people. In our summer camps, we have seen firsthand the high numbers of children with asthma and the negative effects it has on them.

Please give the highest consideration to Stamford's application for EPA Enhanced Air Quality Monitoring for Communities funding. Thank you very much.

Sincerely,

A handwritten signature in dark ink, appearing to read "Michael Duggan", is written over the typed name.

Michael Duggan
Executive Director

83 Lockwood Ave., Stamford, CT 06902

p: 203.324.4277 f: 203.324.2990 w: www.domuskids.org e: info@domuskids.org

ED_013931A_00000796-00004



March 21, 2022

Administrator Michael Regan
Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Re: Strong Support for Stamford's Enhanced Air Quality Monitoring for Communities Project

Dear Administrator Regan:

I write on behalf of the Housing Authority of the City of Stamford d/b/a Charter Oak Communities to convey our strong support for the City of Stamford's "Enhanced Air Quality Monitoring for Communities" application through the Environmental Protection Agency (EPA). Stamford is seeking funding to monitor the air quality throughout the city, particularly in the census tract areas where the pollutants have reached harmful levels.

With the ongoing variants related to COVID-19, it is vital to minimize additional health risks related to air pollutants. Data from the Department of Health indicates that there are six census tracts in Stamford with Asthma rates per 10,000 individuals at 81.9-147.2; 58.4-81.8 rates are identified for nine additional census tracts. The areas of primary concern are in the South End and West Side neighborhoods. Stamford ranks in the top five cities for Connecticut with the highest hospitalization rates related to asthma. Recognizing that air pollution contributes to severe respiratory disorders, heart disease, global warming, and has a devastating impact on plants and animals there is a definite need for identification and mitigation related to harmful contaminants.

Charter Oak Communities is collaborating with the Stamford Department of Public Safety to promote a variety of health education and awareness initiatives. We strongly support this effort because, as Stamford's primary provider of housing to low-income, at-risk individuals (serving nearly 7,000 households or 5% of the total population), we are committed to reducing health risks and ensuring that vulnerable members of our community can achieve a satisfactory quality of life.

Please give the highest consideration to Stamford's application for EPA Enhanced Air Quality Monitoring for Communities funding. Thank you very much.

Sincerely,

Vincent J. Tufo
Chief Executive Officer
Charter Oak Communities

CHARTER OAK COMMUNITIES – 22 CLINTON AVENUE, STAMFORD, CT

ED_013931A_00000796-00005



March 21, 2022

Administrator Michael Regan
Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Re: Strong Support for Stamford's Enhanced Air Quality Monitoring for Communities Project

Dear Administrator Regan:

I write on behalf of the Vita Health and Wellness Partnership to convey our strong support for the City of Stamford's "Enhanced Air Quality Monitoring for Communities" application through the Environmental Protection Agency (EPA). Stamford is seeking funding to monitor the air quality throughout the city, particularly in the census tract areas where the pollutants have reached harmful levels.

With the ongoing variants related to COVID-19, it is vital to minimize additional health risks related to air pollutants. Data from the Department of Health indicates that there are six census tracts in Stamford with Asthma rates per 10,000 individuals at 81.9-147.2; 58.4-81.8 rates are identified for nine additional census tracts. The areas of primary concern are in the South End and West Side neighborhoods. Stamford ranks in the top five cities for Connecticut with the highest hospitalization rates related to asthma. Recognizing that air pollution contributes to severe respiratory disorders, heart disease, global warming, and has a devastating impact on plants and animals there is a definite need for identification and mitigation related to harmful contaminants.

The Vita Health and Wellness Partnership is collaborating with the Stamford Department of Public Safety to promote a variety of health education and awareness initiatives. We strongly support this effort because, as Stamford's preeminent network of community service providers dedicated to improving upon the social determinants of health, we recognize the critical importance of environmental conditions in affecting the health outcomes of our most vulnerable residents.

Please give the highest consideration to Stamford's application for EPA Enhanced Air Quality Monitoring for Communities funding. Thank you very much.

Sincerely,



Vincent J. Tufo
Founding Member
Vita Health and Wellness Partnership



888 Washington Boulevard, Stamford, CT 06901 www.stamfordseniorct.org ccrain@stamfordct.gov

Administrator Michael Regan
Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

Re: Strong Support for Stamford's Enhanced Air Quality Monitoring for Communities Project

Dear Administrator Regan:

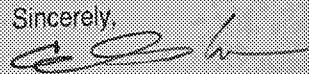
I write on behalf of The Stamford Senior Center (SSC) to convey our strong support for the City of Stamford's "Enhanced Air Quality Monitoring for Communities" application through the Environmental Protection Agency (EPA). Stamford is seeking funding to monitor the air quality throughout the city, particularly in the census tract areas where the pollutants have reached harmful levels.

With the ongoing variants related to COVID-19, it is vital to minimize additional health risks related to air pollutants. Data from the Department of Health indicates that there are six census tracts in Stamford with Asthma rates per 10,000 individuals at 81.9-147.2, 58.4-81.8 rates are identified for nine additional census tracts. The areas of primary concern are in the South End and West Side neighborhoods. Stamford ranks in the top five cities for Connecticut with the highest hospitalization rates related to asthma. Recognizing that air pollution contributes to severe respiratory disorders, heart disease, global warming, and has a devastating impact on plants and animals there is a definite need for identification and mitigation related to harmful contaminants.

The SSC is collaborating with the Stamford Department of Public Safety to promote education and awareness initiatives. As a stakeholder in the community we strongly support this effort because improving air quality and reducing health risks to all residents and in particular, our older adult population is critical in keeping them healthy and reducing complications and death from COVID-19 and its variants.

Please give the highest consideration to Stamford's application for EPA Enhanced Air Quality Monitoring for Communities funding. Thank you very much.

Sincerely,


Christina Crain, MSW
Executive Director

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Executive Director
President



March 17, 2022

Ted Jankowski
Director of Public Health
City of Stamford CT

To Whom it may concern,

I am writing a letter outlining the capabilities as well as the services offered by Wilbur Technical Services, LLC to The City of Stamford CT to support the air monitoring program the city is looking to implement with funding from the U.S. Environmental Protection Agency under EPA-OAR-OAQPS-22-01.

Summary of Qualification

The J.J. Wilbur Company was founded in 1985 and our service division Wilbur Technical Services, LLC (WTS) was started in 2004. We specialize in analytical instrumentation sales, air quality monitoring systems integration, service, and support. The company currently has eleven employees with offices in Mont Vernon NH, Farmington CT, and Raleigh NC. Clients include state and federal government environmental regulatory agencies, tribal nation environmental organizations, US Army environmental health department, universities, and private industry, research in combustion, source identification, emissions scrubbing and mitigation systems for pollution control.

Action Plan for City of Stamford Ambient Monitoring:

The city of Stamford plans to implement a network of AQY-R air quality sensors throughout the city focusing on areas with high rates of asthma. The AQY-R sensors are capable of measuring O₃, NO₂, PM_{2.5}, RH, temperature and pressure.

Below is a list of representative projects WTS has been involved in and successfully implemented using similar hardware and software.

Western Connecticut Clean Air Action (WCCAA) – Supplied and installed an AQM-65 and seven AQYs from Aeroqual to measure O₃, NO₂ and PM_{2.5} in response to a large gas fired power plant built in NY right on the CT border. Consulted with WCCAA including presentations at their regular meetings and providing post installation service, calibration, and technical support on all their sensors.

NYC DEP – Supplied five AQYs and an AQM-65 as part of an outgoing project to do more near source air quality monitoring in the city. WTS installed the AQM-65 in a van

SCIENTIFIC INSTRUMENTATION

97 South Main Street
Mont Vernon, NH 03057
Offices in: CT and NC

www.jjwilbur.com

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Email: info@jjwilbur.com



and integrated the AQYs with lithium-ion batteries/battery boxes for rapid deployment on utility poles throughout the city.

City of Dallas/TX A&M – Supplied 15 AQYs and two AQS-1s to both the city and the University for a long-term consolidated air monitoring effort on the community level. This project has been ongoing for over two years, and we are providing continual support and sensor replacement for all the sensors.

CT DEEP - Designed and built a mobile air quality monitoring station into a 2020 Ford Explorer Hybrid to allow for sampling and data collection for BTEX, Styrene, 1-3 Butadiene, Formaldehyde, NO, NO₂, CO, O₃, SO₂, H₂S, NH₃, Formaldehyde, CO, CH₄, PM_{2.5}, PM₁₀ and Black Carbon along with, meteorological data and GPS coordinates.

City of Philadelphia - Designed and built a mobile air quality monitoring station into a 2020 Ford Transit F250 High Roof to allow for sampling and data collection for the same parameters as the CT Mobile project describe above but with addition of CO₂ to this system using a cavity ring-down spectroscopy.

Confidential Refinery Clients – Quality assurance plan preparation, on-site gas analyzer and PM instrument auditing, complete monitoring systems for air quality parameters for both criteria and non-criteria pollutants

US Department of State – Designed, built, and installed Ambient Air Quality Monitoring Stations at over 65 US Embassies and consulates worldwide with automated monitoring, reporting, system health diagnostics, alerts, documentation, audits, service and quality control training.

US EPA - Designed and built custom mobile air quality monitoring system with onboard 11,000-watt generator for remote operation. 25-foot stainless steel exhaust hose on a reel to get the generator emissions away from the monitoring station and exhausting downwind from the sampling manifold.

Infax – Complete mobile VAN for air quality monitoring of all criteria pollutants with GPS tracking and automated calibration systems deployed in Kazakhstan.

PES Energy – Three-year annual service contract on two complete reference grade ambient air quality monitoring stations.

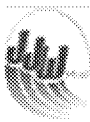
EPA Regional offices – Provided automation and control of agency remote auditing systems for criteria pollutants with programmed audit levels and reporting.

SCIENTIFIC INSTRUMENTATION

97 South Main Street
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Fax (603) 880-3157
Email: info@jjwilbur.com



WILBUR TECHNICAL SERVICES, LLC

WWW.JJWILBUR.COM

State Environmental Agencies – Provided criteria monitoring and non-criteria compounds including GC and IMS techniques for organic and inorganic compounds and acid/base derived pollutants.

Medtronic – Ethylene Oxide stack monitoring system with audit and service contract in place supported jointly by WTS and Canomara since 2017.

NYC DEP / WSP – Installation Support of 8 Land Ametek Opacity Monitors and integration into DR DAS Data Acquisitions System. Installation of 7 H2S Monitoring stations and one weather station. Ongoing support contract in place since 2014.

Various Environmental Consulting companies – Built, deployed, and operated wireless fence line perimeter monitoring systems for PM, speciated organics and Hg. Systems incorporated real-time reporting of data to site personnel for worker health affects mitigation measures.

Sincerely,

Erik Mallory

Erik Mallory
Vice President of Sales
Wilbur Technical Services, LLC
97 South Main Street
Mont Vernon, NH 03057

SCIENTIFIC INSTRUMENTATION

97 South Main Street
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ED_013931A_00000796-00010

March 21, 2022

One Public Library Plaza
Stamford, Connecticut 06904
(203) 964-1000
fergusonlibrary.org

Administrator Michael Regan
Environmental Protection Agency
1200 Pennsylvania Avenue, N.W.
Washington, DC 20460

**Re: Strong Support for Stamford's Enhanced Air Quality Monitoring
for Communities Project**

Dear Administrator Regan:

I write on behalf of The Ferguson Library to convey our strong support for the City of Stamford's "Enhanced Air Quality Monitoring for Communities" application through the Environmental Protection Agency (EPA). Stamford is seeking funding to monitor the air quality throughout the city, particularly in the census tract areas where the pollutants have reached harmful levels.

With the ongoing variants related to COVID-19, it is vital to minimize additional health risks related to air pollutants. Data from the Department of Health indicates that there are six census tracts in Stamford with Asthma rates per 10,000 individuals at 81.9-147.2; 58.4-81.8 rates are identified for nine additional census tracts. The areas of primary concern are in the South End and West Side neighborhoods. Stamford ranks in the top five cities for Connecticut with the highest hospitalization rates related to asthma.

Recognizing that air pollution contributes to severe respiratory disorders, heart disease, global warming, and has a devastating impact on plants and animals there is a definite need for identification and mitigation related to harmful contaminants.

The Ferguson Library is collaborating with the Stamford Department of Public Safety to promote education and awareness initiatives. As a stakeholder in the community we strongly support this effort because our largest facility is located on one of the busiest intersections, our smallest is located in the South End, and the last two are in more suburban areas. We are very interested in understanding the air quality at each of our facilities. We are committed to work with the City on health equity; the starting point is understanding the differences in air quality.

Please give the highest consideration to Stamford's application for EPA Enhanced Air Quality Monitoring for Communities funding. Thank you very much.

Sincerely,



Alice S. Knapp, CEO
The Ferguson Library

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